

# January 6, 2011 NIST Smart Grid Privacy Subgroup Meeting Notes

Minutes by Rebecca Herold

Please send this distribution list any necessary corrections or additions.

Next full group teleconference meeting:

**Thursday January 13, 2011 at 11:00am est**

Here are my summary notes from the meeting:

## 1. Outreach activities

- Let the list know if you will be speaking about Smart Grid privacy
- Please send Rebecca the name of the event, URL, date and time and she will put into the twiki events table.
- Some upcoming events:
  - Chartwell webinar next week (<http://www.energylibrary.com/index.cfm/ID/13#241>). Wednesday, January 12, 2011 2:00 - 3:30 PM ET; Gib Sorebo, Chief Cybersecurity Technologist, Assistant Vice President, **SAIC**
  - Brent, Annabelle, Darren, Rebecca, Sandy, and possibly others, will be speaking at SmartGrid East (<http://www.smartgridsecurityeast.com/>) in Tennessee in March,
  - Commissioner Ann Cavoukian will be releasing a whitepaper on February 2<sup>nd</sup> at Distributech (<http://www.distributech.com/index.html>)
  - CSWG outreach meetings; NW University in Boston; and other at Ohio PUC (Chris will be speaking here)

## 2. Team Updates

- **Privacy Use Cases Team: Christine Hertzog, Smart Grid Library (team lead)**
  - Meetings each Thursday at 10am est
  - Applying OECD principles to the template and will be updating the existing use cases with information specific to the privacy principles.
  - Want to provide enhancement to existing use cases documentation for ensuring privacy is addressed within them.
  - Will determine a deadline/target date after a little more work.
- **Third Party Team: Brent Struthers, Neustar (team lead)**
  - Weekly meetings on Wednesday at 2pm est.
  - Goals are to identity types of 3<sup>rd</sup> parties that want access to Smart Grid data, and then how to determine the level of access they need, and how to give them the access.
  - Now creating a baseline for protecting data that will be released to a third party. This will make a consistent level of security for all third parties.
  - Going through all the security controls and mapping to the privacy recommendations, and then putting those into the existing controls document from the security groups.
  - Have a good start. Will have first section done in the next couple of weeks.
  - Hope to have all updated by early- to mid-summer.
  - Tanya: Regarding making deliverables/work available, we could also publish in other ways, e.g., directly on the twiki, etc. Have already been questions about when we are putting out the 2<sup>nd</sup> version of NISTIR 7628.

- **PEV Team: Mike Coop, Hey Coop! (team lead)**
  - Not in attendance.
  - Probably at CES??? Rebecca will send message to ask for update.
- **NSTIC Team: Amanda Stallings, Ohio PUC (team lead)**
  - Not in attendance.
  - Amanda provided the following via email after the meeting:
    - The NSTIC team meets weekly each Friday, from 2:00-3:00pm EST
    - Our purpose is to explore privacy issues that may arise from implementation of the National Strategy for Trusted Identities in Cyberspace (NSTIC) framework to gain access to online energy usage data using credential management systems. The ultimate goal is to incorporate the NSTIC framework's positive attributes while still maintaining the utmost consumer privacy protections.
    - The NSTIC team is currently working on developing scenarios for the Department of Energy that involve: utility infrastructure (specifically Smart Grid technologies), consumer privacy as it relates to energy usage, and inclusion of the NSTIC framework developed by the federal government.
    - The team is also working to complete the spreadsheet provided by the Privacy sub-group on ways the NSTIC framework may affect privacy.
    - The NSTIC team is currently developing questions for various utility stakeholders on how the NSTIC framework will effect utility operations if adopted and what effect those policies may have on consumer privacy. Questions asked also relate to companies' current privacy policies and cybersecurity (i.e. customer verification, data protection, etc.).
    - The team is waiting on NIST to release the final version of the NSTIC framework before developing a final scenario for the DOE. The final version is expected to be released sometime in January 2011.

### 3. Additional activities and goals for 2011

- **Training and Awareness Recommendations**
- Rebecca: This year I will also create a team to create training and awareness recommendations and other deliverables. These will be for not only the utilities, and their contracted agents, but also for other smart grid entities, as well as for consumers.
- Jamie: Early deliverables for HIPAA looked at the taxonomies and determined topics accordingly. Suggest doing similar for the Smart Grid with regard to training and awareness.
- Daphne from NE Utilities: EEI is putting together the training and awareness and related principles for utilities for how to release data safely to third parties.
- Will final set of principles be made publicly available?
- Daphne: Principles would act as guidance for utilities and set parameters for the usage data.
- Is there someone the SGIP folks can talk to before this is released?
- Daphne: Speak with Eric Ackerman; he would be a good contact person. Started this work last year; goal is for the final to be released sometime this year.
- Jason P: What about the principles released at the EEI conference last summer?
- Daphne: Not sure if they were really final. An ongoing process. Goal is to get in place this year.
- Jason P: GTE worked on that, and the contracted agents and third parties are two types of groups.
- Daphne: Yes, utilities don't want to be in position of monitoring or positioning third parties.
- Jamie: Did our third party team wander away from outlining the third party protections?
- Jason: Not really, the third party team is working on giving/documenting/identifying the third party privacy controls.

- Rebecca: We are still going by the spreadsheet created a few months ago showing the different types of entities involved with the smart grid, including third parties and contracted agents.
- Daphne: Currently putting parameters and guidance in place at EEI. Will share what is possible with regard to what EEI is doing with regard to third parties and data sharing, as opposed as contracted agents.
- Jason: But, the EEI principles don't say the requirements must be met before sharing.
- Daphne: That's not the goal. Utilities don't have that authority. Goal is to get regulators to understand third parties must be regulated in the same way as the utilities.
- Daphne: Security levels should remain same when it goes to the third parties when customers consent to have it shared. Need regulatory intervention to ensure other parties protect at the same level.
- Jamie: There may be sharing by third parties that utilities don't even know about. Those entities getting the data need to understand what needs to be done. There is a clear line from the view of utilities about the difference between a contracted party and a third party.
- Rebecca: Indeed, and the customers themselves may be sharing data in ways that they put their own privacy at risk. This is why we must ensure consumers receive awareness communications and training as well. At the California PUC meeting on Smart Grid security and privacy I was interested to note that one of the utilities in attendance wanted to know what THEY should do with regard to telling customers how the utility protects the data, but they said that consumers are responsible for their own actions, and that they didn't have any interest in providing them any awareness communications for how to protect data for which the utility had no control. However, my point to him was that it only makes sense that the more informed consumers will be, the fewer privacy breaches that will occur. But, at that time, the utility said they were hesitant to do anything like that if it was not required by law. Another interesting topic discussed at the CA PUC meeting was the concept of data ownership; who actually owns the Smart Grid data? There really was no law addressing this.
- Daphne: Only law in place right now is the CA law.
- Jason: GTE starting to change position. They used say GTE owns the data, and if the customer gives their data to someone else, that is their responsibility.
- Jamie: Problem with tagging data and following it, that data gets deposited to a lot of other parties. Figuring out who they all are is a huge problem.
- Daphne: Agreement
- Jamie: Double-edged sword for any entity that "owns" the data. What else may that entity (the non-customer) do with the data if they are considered the owner?
- Daphne: It's really about management of the data. From the utility standpoint; they want to create awareness communications about this. Looking at how to do that now.
- Rebecca: My background is in education, and I've been building training and awareness for many years, and writing about it many times. For example, you could get a lot of information about ways to do this in my latest book, "Managing an Information Security and Privacy Awareness and Training Program, Second Edition" (<http://amzn.to/erUnlC>).
- Daphne: Send some links
- Rebecca: I'll send Daphne some links directly, and to anyone else that wants them as well.
- Lee, OPower: Definition of PII is an issue. Every utility defines it differently. Is it worth addressing again? From training and awareness it would be good to address.
- Rebecca: We have a section discussing "personal information" as opposed to "PII" and other terms in NISTIR 7628. We could build from that for awareness communications.
- Daphne: Watching other industries, it's not just energy data, it's also billing data.
- **Other:**
  - Also want our group to work with policy makers in some ways

- Privacy twiki: <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/CSCTGPrivacy>
- Smart Grid entities (including third parties) matrix: [http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/Smart\\_Grid\\_Privacy\\_Groupings\\_Nov\\_10\\_2010\\_v6.7.xls](http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/Smart_Grid_Privacy_Groupings_Nov_10_2010_v6.7.xls)
- Vol 2 Privacy of NISTIR 7628: [http://csrc.nist.gov/publications/nistir/ir7628/nistir-7628\\_vol2.pdf](http://csrc.nist.gov/publications/nistir/ir7628/nistir-7628_vol2.pdf)
- We need to look at NISTIR about our ongoing actions that were listed there. Put into agenda next week.

Thanks,

Rebecca